Ham-Equip Digest   Sat, 23 Apr 94   Volume 94 : Issue 121

Today's Topics:
                      10m rigs:Uniden 2600 vs 2510
     Comments on the new OHR "Classic" 20/40 meter QRP transceiver?
           DJF1T BatterySave problem - anyone else have it?
               Do automatic ant. tuners often wear out?
                               Duplexers
                  FT-290-II sensitivity upgrade kit?
                      Icom 736 Opinions???
                    KENWOOD TH21AT Question
                Kenwood TM221 serial protocol ? ?
                    Kenwood TS440S FOR SALE
                    MODS FOR STANDARD 558A?
                    PK 232 software (2 msgs)
                  Radio Shack's New DSP Filter
             Screen voltage for pr. 4cx250B's on 2M?
                WANTED: power plug for ICOM W21AT
                        wide band HT's?

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Not having a 2600 in front of me, I need help with this one. Is the 2600 the
same radio as the 2510 except with more bells/whistles ? If so, do the 2510
mods (extended Rx/Tx, power etc) work for the 2600 ? Would appreciate the
enlightenment.

Thanks

Date: Thu, 21 Apr 1994 14:24:43 GMT
From: ihnp4.ucsd.edu!swrinde!gatech!birdie-blue.cis.pitt.edu!gvls1!
rossi@network.ucsd.edu
Subject: Comments on the new OHR "Classic" 20/40 meter QRP transceiver?
To: ham-equip@ucsd.edu

Just got the latest OHR catalog and it shows their new 20 *and* 40 meter
dual-band QRP transceiver. I talked to them on the phone and they claim
it has similar performance to their "Sprit" transceiver but is dual-band.

Looks pretty nice. Anyone out there build one yet? Comments?

==
Pete Rossi - WA3NNA   rossi@vfl.paramax.COM

Unisys Corporation - Government Systems Group
Valley Forge Engineering Center - Paoli, Pennsylvania
==

Date: 21 Apr 1994 09:47:21 -0700
From: swrinde!emory!europa.eng.gtefsd.com!howland.reston.ans.net!
usenet.ins.cwru.edu!eff!news.kei.com!hookup!news2.sprintlink.net!
news.sprintlink.net!connected.com!connected.com!@@ihnp4.ucsd.edu
Subject: DJF1T BatterySave problem - anyone else have it?
To: ham-equip@ucsd.edu

I shoulda had Alinco fix this earlier under warranty as it was in the radio
right out of the box when I bought it new.....ah well:

The radio is supposed to cycle about once/second between normal 70ma current
drain and 30ma low battery save drain. It is supposed to spend about 70% of the
time at 30 ma. This of course when you invoke the battery save mode.

Mine and another guy's cycle about once/15 seconds and spend only about 10msec
at the 30ma drain - the other 14plus seconds at 70ma. And it produces a "clunk"
in the speaker when it changes over. Does this reliably - not an intermittant
condition.

About the only way you would know this is going on is if you hear the "click"
in the speaker - unless you went and used a scope on it as I did.

Alinco says: "nah - we don't recognize that problem. Send it in - and we'll
charge you as it is out of warranty".

Sigh !

John Gates

--
John Gates | Amateur Radio: N7BTI
Edmonds, WA USA | Internet: jgates@hebron.connected.com
206 774-3777 | Compuserve: 72106,367

Date: 21 Apr 1994 14:27:57 GMT
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!xlink.net!news.urz.uni-
heidelberg.de!rz.uni-karlsruhe.de!news.uni-stuttgart.de!smiller@network.ucsd.edu
Subject: Do automatic ant. tuners often wear out?
To: ham-equip@ucsd.edu

I have a new Yaesu FT-890 with a built-in antenna tuner. It's a fine
rig and I really like being able to tune around, change bands, etc. and
always be "ready" to transmit.

But I tune around a lot, and I hear the antenna tuner motors purring
away, constantly tuning and re-tuning my antenna as I scan the various
bands.

So my question is directed to automatic antenna tuner owners: are such
tuners known for wearing out and/or failing often? If so, then maybe I'll
disable it at all times except for when I'm about to transmit, but it's
such a luxury to NOT have to do that, that I thought I'd ask if anyone
else has had problems.

Please email me. I'll post a follow-up if there's interest.

Thanks,

--Shannon, DL6SEU/N7APC
  Email: smiller@rus.uni-stuttgart.de

Date: 20 Apr 1994 20:02:34 GMT
From: ihnp4.ucsd.edu!swrinde!cs.utexas.edu!math.ohio-state.edu!magnus.acs.ohio-
state.edu!csn!col.hp.com!jwc@network.ucsd.edu
Subject: Duplexers
To: ham-equip@ucsd.edu

  I thought "duplexers" were used with repeaters with cavities.
 and "diplexers" were used for combining transmitters and antennas.   ?????????

Date: 21 Apr 1994 14:28:58 GMT
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!EU.net!sun4nl!news.nic.surfnet.nl!
tuegate.tue.nl!blade.stack.urc.tue.nl!robs@network.ucsd.edu
Subject: FT-290-II sensitivity upgrade kit?
To: ham-equip@ucsd.edu

I recently started using an FT-290 mark II portable transceiver for mobile use
instead of a FT-480 (which is under surgery because of mysterious
malfunctioning) and it seems to me the FT-290 is much less sensitive to
weak signals. I heard from owners of the original FT-290, so to say the
mark I, that there was a PCB available in those days, to improve sensitivity
of the unit. Holes were pre-drilled in the unit, and the PCB fitted in there
as if Yaesu forgot to put it in during production, and sold it as accessory.
Does anyone know if the same goes for the FT-290-II? Is there an upgrade PCB
or do I have to have my rig realligned?
Any info and/or suggestions welcome.
73, Rob, PA3AXI
----
robs@stack.urc.tue.nl
slr@cb.nl

Date: Wed, 20 Apr 1994 23:38:59 GMT
From: ihnp4.ucsd.edu!library.ucla.edu!csulb.edu!csus.edu!netcom.com!
feustel@network.ucsd.edu
Subject: Icom 736 Opinions???
To: ham-equip@ucsd.edu

I just saw an ad for the ICOM 736. Does anyone have any opinions about
this transceiver that they're willing to share? Thanks.
--
Dave Feustel N9MYI Internet:<feustel@netcom.com> Compuserve:<73532,1747>

President Clinton is an Idiot Savant: he's brilliant at domestic
politics but totally incompetent at best when it comes to foreign
affairs.

Date: 22 Apr 94 13:33:35 GMT
From: agate!howland.reston.ans.net!news.intercon.com!news.pipeline.com!
malgudi.oar.net!witch!ame!psl@ucbvax.berkeley.edu
Subject: KENWOOD TH21AT Question
To: ham-equip@ucsd.edu

Mike,
In article <piperCoMrAu.3y5@netcom.com>, Michael J. Betz (piper@netcom.com)
writes:
>
>I have a TH21AT with the pl tone unit built in. I remember setting the
>thing for 4z years ago. I now need to reset it but don't remember how.
>Does anyone have the instruction manual for this radio? Or, does anyone
>know how to set the tone? Is it a POT on the tone unit? Help!
>
>Thanks,
>
>73 MIKE KM4QN
>--
>   Mike Betz
>   piper@netcom.com
>
There is a small board inside the back of your unit called a TU-6.
The tones are set on this board by soldering or breaking the
solder connections to the IC on the board (primative, but it
works). The pot on the board is for tone volume. E-mail with the
tone you want and I will give you the solder connections to make
(there are 37 different tones and I am not into that much typing
:-)).

73,

Pete WB0FEW

Date: 20 Apr 1994 21:07:30 GMT
From: ihnp4.ucsd.edu!swrinde!emory!europa.eng.gtefsd.com!howland.reston.ans.net!
usc!nic-nac.CSU.net!charnel.net.csuchico.edu!charnel!olivea!koriel!lll-
winken.llnl.gov!k2hug.llnl.gov!user@network.
Subject: Kenwood TM221 serial protocol ? ?
To: ham-equip@ucsd.edu

Has anyone figured out the serial protocol that the Kenwood TM221 (and
similar radios) use to commuinicate with the RC-10 remote control unit? I

have info on pinouts, but not what the protocol is. Thanx
Don   K2BIO

Date: Wed, 20 Apr 1994 12:49:53 EST
From: ihnp4.ucsd.edu!swrinde!gatech!howland.reston.ans.net!news.cac.psu.edu!psuvm!
oduvm!tag100g@network.ucsd.edu
Subject: Kenwood TS440S FOR SALE
To: ham-equip@ucsd.edu

FOR SALE: Kenwood TS-440S Transceiver, PS-430 Power
supply, MC-435 mic, antenna. 115V or 12V operation.
Comes complete with manuals and is in excellent
condition. Has automatic tuning and voice
synthesized.

US$800.00 for the whole set. Reply to

greco@oduph1.physics.odu.edu

or, if you wish, call Rick at (804)549-0402.
This is in Virginia.

Date: Thu, 21 Apr 1994 15:30:36 GMT
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!darkstar.UCSC.EDU!news.hal.COM!olivea!
news.bu.edu!att-in!cbnewsm!ket@network.ucsd.edu
Subject: MODS FOR STANDARD 558A?
To: ham-equip@ucsd.edu

I CANNOT SEEM TO ACCESS ANY OF THE FILE SERVERS WITH MODS FOR THE

STANDARD 558A. DOES ANYONE HAVE A COPY HANDY THAT THEY COULD SEND?

THANKS FOR THE HELP - KELLER - WA3YSU

--
    Keller E. Taylor, Jr.   WA3YSU   UUCP:..att!keller.taylor
    (508) 960-1233 Fax:(508) 960-1272 DOMAIN:ket@cbnews.att.com
          AT&T - Global Manufacturing & Engineering

Date: 20 Apr 1994 15:04:52 -0400
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!gatech!mailer.acns.fsu.edu!
freenet3.scri.fsu.edu!freenet3.scri.fsu.edu!not-for-mail@network.ucsd.edu

Subject: PK 232 software
To: ham-equip@ucsd.edu

PK Gold advertises in QST. If you can't find the ad call me at
904-893-7057 before 9:30 EDT and I'll give u the address. Great
program--headf and shoulders above PK Pakratt 5.1
--
William A. "Bill" Frieder   friederw@freenet.tlh.fl.us
N4QNF Packet Mail = N4QNF @ W1FJI
(904) 488-2381 days   (904) 893-3738 till 9:30 P.M. EDT
****

Date: 21 Apr 94 13:21:21 GMT
From: agate!howland.reston.ans.net!torn!nott!dgbt!clark.dgim.doc.ca!
news@ucbvax.berkeley.edu
Subject: PK 232 software
To: ham-equip@ucsd.edu

tmedin@che2.che.umn.edu wrote:
: Does anyone know of good controller software for the above TNC? I have
: Pakratt, which displeases me. I've heard of a PK gold, but have no
: source. I've looked in the ham mags, to no avail.

: tom medin, N0UFM
: internet: tmedin@che2.che.umn.edu

I use a program called YAPP (Yet Another Packet Program). I have been
using it for years. I find that whoever wrote these specialty programs
seem to be land line based designers, whereas YAPP was written by a ham
(WA7MBL). It should be available as shareware... I would just send a
query on your local packet BBS. What you you got to lose?

73

Jim, VE3XJ

Date: 22 Apr 94 22:19:42 GMT
From: sdd.hp.com!vixen.cso.uiuc.edu!usenet@hplabs.hp.com
Subject: Radio Shack's New DSP Filter
To: ham-equip@ucsd.edu

In <2p9hfp$8ia@docman.doc.state.ne.us>, mcduffie@hannibal.wncc.cc.ne.us (Gary
McDuffie) writes:
....

>I just bought one for the heck of it. I have used the JPS and the Timewave
>and really felt the Timewave was a much better box. Now, I'm very
>disappointed with the RS version. While it's true, I didn't expect too
>much for that price, I find the NR function to be ineffective. I can tell
>no difference in snr with it on or off. I have tried it with nothing but
>background noise, and also while listening to both strong and weak
>signals. The RS unit has no noticable effect. When I tested with just
>background noise, I used impulse, broad hash, and normal hiss. None were
>effected by the NR mode. I seriously wonder if this unit is defective.
>On the plus side, the notcher works fine, as do the bandpass
>filters-excellent.
....

A ham has responed to my query that RS DSP has no NR function at
all, to keep costs down. I wonder why then is NR mentioned in the
documentation and on the box. Marketing?
I think this unit is worth $80 and RS should not mislead anyone. I am
returning my unit because I wanted NR.

BTW, can you write an extended comparison of DSP-(9?, 9+?) and RS?
I think many readers would be interested.

Ignacy Misztal   Ham radio: NO9E, SP8FWB
E-mail: ignacy@uiuc.edu
University Of Illinois   1207 W. Gregory Dr., Urbana, IL 61801, USA
tel. (217) 244-3164   Fax: (217) 333-8286

Date: 19 Apr 94 16:11:47 GMT
From: psinntp!psinntp!newsserver.pixel.kodak.com!kodak!ornitz@nyu.arpa
Subject: Screen voltage for pr. 4cx250B's on 2M?
To: ham-equip@ucsd.edu

In article <dgfCoEuso.pq@netcom.com> dgf@netcom.com (David Feldman) writes:
>I was fortunate (!) to acquire the RF deck from a push-pull pair of 4CX250Bs
>on 2M, built verbatim from an article in Feb. 1964 QST. The P/S was in pieces
>and I decided to build a new one. Most screen supply design's I've seen are
>regulated (the unit here had VR *tubes*). I can VR with tubes, string of
>zener diodes, (presumably) a pass transistor linear regulator, or just build
>an unregulated supply with excess bleeder resistor dissipation. How important
>is regulation on the screen supply? I've seen screen voltages for this kind of
>tube from 200V to 350V --- how do I pick the best value? Plate voltage will be
>~2200V under load. Advice & comments appreciated! 73 Dave WB0GAZ dgf@netcom.com

Actual screen voltage is not too critical unless you are really trying to get
every last watt out of the tubes. Keep the plates below 2KV for best results.

What is more important is that under some conditions, screen current can
reverse, i.e. current flow is OUT of the screen. This generally means that
the screen supply must be able to still regulate with negative current
output. A simple series regulator will not work unless enough "bleeder"
current is added to guarantee that the bleeder current is greater that the
maximum reverse screen current. A shunt regulator circuit is generally
desirable over a series regulator for this reason.

Eimac/Varian publishes some information on this in their data sheets. The
older VHF manuals also covered this situation. Shunt zeners (or VR tubes)
are not such a bad choice after all!

                73, Barry WA4VZQ ornitz@emn.com

Date: 21 Apr 1994 14:50:08 GMT
From: ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!news.msfc.nasa.gov!
sol.ctr.columbia.edu!news.cs.columbia.edu!news.columbia.edu!
manila.cc.columbia.edu!alan@network.ucsd.edu
Subject: WANTED: power plug for ICOM W21AT
To: ham-equip@ucsd.edu

I have been trying to find a matching power plug for the ICOM W21AT
for less than $15 which is what HRO (and I'm sure others) sells ICOM's
molded plug connected to a few feet of wire for. One would think I could
find such an item for $1-2. I have tried Radio Shack and it appears that
none of the half-dozen or so coaxial power plugs that they sell fit.
I am in the New York City metro area so, if a local store carries this
I would appreciate hearing of that, else I'll mail order.

I'm getting real tempted to slice the plug off my battery charger:-)

73 de Alan, N2YGK

Date: 22 Apr 94 15:51:16 GMT
From: sdd.hp.com!col.hp.com!srgenprp!gregb@hplabs.hp.com
Subject: wide band HT's?
To: ham-equip@ucsd.edu

JBAACK31@MAINE.MAINE.EDU wrote:
: Are there any HT's that cover the 2meter band as well as up to 173.Mhz?
: If so who makes it and how much does it cost?

: *   NETNEWS FILE   ** Discarded or Received **

Hello,

As you probably know, most amateur 2-meter handhelds (and mobiles for that
matter) receive up to 174MHz. They can usually be modified to transmit up
there also, sometimes with somewhat degraded performance. The catch here
is they are not type accepted by the FCC so it is illegal to transmit with
these radios outside the ham bands, even if you have a legitimate reason.
Also, most of these handhelds are not preselected so they have poor performance
outside the ham band regarding intermods.

The handheld that I use to cover both 2-meters and business band (I do some
consulting for some shortline railroads out here so I need to be in the 160
to 161MHz range) is an Icom H16. This radio performs well over the entire
range, is type accepted, and is keyboard programmable if you know the access
code. (Commercial radios are not designed to be user-programmable.) It
holds 16 channels and has built-in scan and programmable DTMF. I bought mine
used but I think new they are around $600. You can get them through any
commercial radio dealer that sells Icom.

Cheers,

Greg WB6UHH

End of Ham-Equip Digest V94 #121
****